

Interactive comment on “Potential yield simulated by Global Gridded Crop Models: a process-based emulator to explain their differences” by Bruno Ringeval et al.

A. C. Ruane

alexander.c.ruane@nasa.gov

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A short comment on an interesting manuscript:

It would be helpful if the authors could please note that GGCM is an activity of the Agricultural Model Intercomparison and Improvement Project (AgMIP; Rosenzweig et al., 2013) and is an element of a broader AgMIP effort to explore cropping system responses to climate conditions and climate changes to facilitate applications including toward integrated assessment (Ruane et al., 2017).

This connection is particularly important given the voluntary nature of these efforts and

C1

as an indication of community willingness to systematically compare, open inputs and outputs for broader scientific inquiry, and facilitate cross-scale and cross-disciplinary applications of crop models for basic research and societal benefit.

References: Rosenzweig, C., J.W. Jones, J.L. Hatfield, A.C. Ruane, K.J. Boote, P. Thorburn, J.M. Antle, G.C. Nelson, C. Porter, S. Janssen, S. Asseng, B. Basso, F. Ewert, D. Wallach, G. Baigorria, and J.M. Winter, 2013: The Agricultural Model Intercomparison and Improvement Project (AgMIP): Protocols and pilot studies. *Agric. Forest Meteorol.*, 170, 166-182, doi:10.1016/j.agrformet.2012.09.011.

Ruane, A.C., C. Rosenzweig, S. Asseng, K.J. Boote, J. Elliott, F. Ewert, J.W. Jones, P. Martre, S. McDermid, C. Müller, A. Snyder, and P.J. Thorburn, 2017: An AgMIP framework for improved agricultural representation in IAMs. *Environ. Res. Lett.*, 12, no. 12, 125003, doi:10.1088/1748-9326/aa8da6.

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C2